PROGRAM

Tuesday, May 10, 2005
Omni Hotel
251 S. Olive Street
Los Angeles

8:00 am REGISTRATION

9:00 am WELCOMING REMARKS
Chris Poland, Chair, Strong Motion Instrumentation Advisory Committee (SMIAC)
Michael Reichle, Acting State Geologist, California Geological Survey
Anthony Shakal, Program Manager, Strong Motion Instrumentation Program

9:10 am INTRODUCTION
Moh Huang, Strong Motion Instrumentation Program

SESSION I

Moderator: ***Bruce Bolt***, UC Berkeley, SMIAC

9:15 am Strong-Motion Data from the M6.0 Parkfield Earthquake of September 28, 2004
Anthony Shakal, CSMIP

9:40 am Animation of Ground Shaking for California Earthquakes
Timothy Mote, Geomatrix Consultants

10:05 am Questions and Answers for Session I

10:15 am BREAK

SESSION II

Moderator: ***Vern Persson***, SMIAC

10:35 am Quantifying CISN ShakeMap Uncertainty
Kuo-Wan Lin, CSMIP

11:00 am Visualization of Nonlinear Seismic Behavior of the Interstate 5/14 North Connector Bridge
Robert Dowell, California State University, San Diego

11:25 am Questions and Answers for Session II

11:35 am **LUNCHEON**

SESSION III

Moderator: ***Chris Poland***, Degenkolb Engineers, SMIAC

12:45 pm Automated Post-Earthquake Damage Assessment and Safety Evaluation of Instrumented Buildings
Farzad Naeim, John A. Martin & Associates

1:10 pm A Data Driven Methodology for Assessing Impact of Earthquakes on the Health of Building Structural Systems
Dennis Bernal, Northeastern University

1:35 pm Questions and Answers for Session III

1:45 pm BREAK

SESSION IV

Moderator: ***Wilfred Iwan***, Caltech, SMIAC

2:00 pm Observations on the M9.0 Sumatra, Indonesia Earthquake of December 26, 2004
Wilfred Iwan, Caltech

2:25 pm Tsunami Mitigation Programs and Preparedness in California
Richard Eisner, Governor's Office of Emergency Services and ***Michael Reichle***, California Geological Survey

2:50 pm Questions and Answers for Session IV

3:00 pm Seismic Retrofit of the Los Angeles City Hall
Nabih Yousef, Nabih Yousef & Associates

3:20 pm **Field Trip to Los Angeles City Hall**

For information on earthquakes in California, visit http://www.quake.ca.gov.

The Internet Quick Report (IQR) has been developed under CISN by CGS/CSMIP and USGS/NSMP to rapidly dis-tribute strong-motion data and related information via the World Wide Web: http://www.quake.ca.gov/cisn-edc.

For more information about the CSMIP program, visit http://www.conservation.ca.gov/CGS/smip.

If you have any questions on the Seminar, contact CGS/CSMIP at (888) 472-7647 or (916) 322-3105. If you need hotel information, call the Omni Hotel at (213) 617-3300.

SMIP05 Seminar Registration Form

Name _____

Organization _____

Address _____

_____

City, State, Zip _____

Phone _____ Fax _____

E-Mail _____

Registration fee (includes seminar proceedings, powerpoint presentation handouts and lunch)

_____ $75 per person
_____ $50 for government employees
_____ $20 for students (age 35 and under)
_____ add $10 if registration postmarked after May 3, 2005

Total Amount Enclosed: _____

_____ I wish to participate in the field trip to the Los Angeles City Hall *(no extra cost)*

Please make check payable to **Department of Conservation** and mail with registration form to:

SMIP05 Seminar
Department of Conservation
Strong Motion Instrumentation Program
801 K Street, MS 13-35
Sacramento, CA 95814

If paying by credit card you can mail your registration form using the above address or fax to **(916) 323-7778**

VISA/MasterCard No. Expiration Date

Authorized Signature

Department of Conservation
Strong Motion Instrumentation Program
801 K Street, MS 13-35
Sacramento, CA 95814

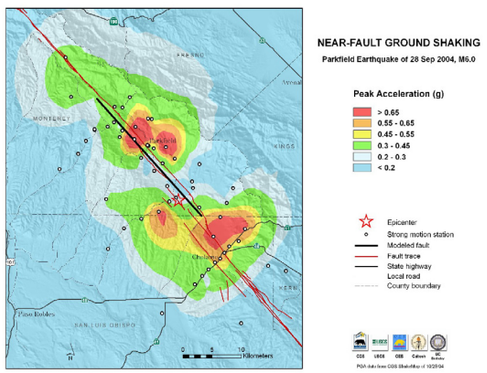
SMIP05 Seminar

on Utilization of Strong-Motion Data

May 10, 2005
Los Angeles, California

including
Field Trip to
Los Angeles City Hall

Near-Fault Ground Shaking Map
Parkfield M6.0 Earthquake of September 28, 2004



CALIFORNIA CONSERVATION

California Geological Survey

SMIP05 Seminar on Utilization of Strong-Motion Data

The purpose of this annual Seminar is to increase the utilization of strong-motion data in improving post-earthquake response, seismic code provisions and design practices. The Seminar is the sixteenth in a series of annual events designed to transfer recent research findings on strong-motion data to practicing seismic design professionals and earth scientists. The goal is to provide information that will be useful immediately in seismic design practice and post-earthquake response and, in the longer term, in the improvement of seismic design codes and standards.

In 1997, a joint project, TriNet, between CSMIP, Caltech and USGS at Pasadena was funded by the Federal Emergency Management Agency (FEMA) through the California Office of Emergency Services (OES). The goals of the project were to record and rapidly communicate ground shaking information in southern California, and to analyze the data for the improvement of seismic codes and standards.

In July 2001, the California Office of Emergency Services began funding for the California Integrated Seismic Network (CISN), a newly formed consortium of institutions engaged in statewide earthquake monitoring that grew out of TriNet, and includes CGS, USGS, Caltech and UC Berkeley. CISN produces ShakeMaps of ground shaking, based on shaking recorded by stations in the network, within minutes following an earthquake. The ShakeMap identifies areas of greatest ground shaking for use by OES and other emergency response personnel in the event of a damaging earthquake. The CISN will improve seismic instrumentation and provide statewide ground shaking intensity maps. It will also distribute and archive strong-motion records of engineering interest and seismological data for all recorded earthquakes, and provide training for users (http://www.cisn.org).

Seismically Strengthened Los Angeles City Hall

The Los Angeles City Hall, an internationally known landmark built in 1928, was strengthened after the 1994 Northridge Earthquake and instrumented for earthquake by CSMIP in 2004.

CALIFORNIA STRONG MOTION INSTRUMENTATION PROGRAM